

ABSTRACT

1 The transfer controller with hub and ports uses a write
2 allocation counter and algorithm to control data reads from a
3 source port. The write allocation count is the amount of data
4 that can be consumed immediately by the write reservation
5 station of a slow destination port and the channel data router
6 buffers. This is used to throttle fast source port read
7 operations to whole read bursts until space to adsorb the read
8 data is available. This ensures that the source port response
9 queue is not blocked with data that cannot be consumed by the
10 channel data router and the slow destination port. This
11 condition would otherwise block a fast source port from
12 providing data to the other destination ports.

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